



Process for the recovery of chlorine from iron chlorides

Description of Technology: The present invention relates to a process for recovering the chlorine value from metal chlorides and the conversion of the metal chlorides to metal oxides.

Patent Listing:

1. **US Patent No. 6,277,354**, Issued August 21, 2001, "Process for the recovery of chlorine from iron chlorides"

<http://patft.uspto.gov/netacgi/nph-Parser?Sect2=PTO1&Sect2=HITOFF&p=1&u=%2Fnetacgi%2FPTO%2Fsearch-bool.html&r=1&f=G&l=50&d=PALL&RefSrch=yes&Query=PN%2F6277354>

Market Potential: Many industrial processes that are designed to convert mineral ores to products of greater purity and value involve an initial step wherein metal values in the ore are converted to metal chlorides. The process for the production of titanium dioxide pigment, processes for the production of titanium or zirconium metal are examples of such conversion processes where metal values in the ore are first converted to metal chlorides.

Benefits:

- An object of the present invention is to provide a process for the oxidation of metal chlorides and recovery of chlorine in which the formation of wall deposits are minimized or controlled

Applications:

- Recovering chlorine value from metal chlorides

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